

APPARATUS FOR CONVERTING HYDROCARBON FUEL INTO HYDROGEN GAS AND CARBON DIOXIDE

Abstract of Disclosure

A reformer is disclosed for converting a hydrocarbon fuel into hydrogen gas and carbon dioxide, the reformer having a first tube, a second tube annularly disposed about the first tube, and a third tube annularly disposed about the second tube. The first tube includes a first catalyst, a first tube outlet, and is adapted for receiving a first mixture of steam. The second tube is adapted for receiving a second mixture of an oxygen-containing gas and a second fuel. The third tube is adapted for receiving a first reaction reformat from the first tube and a second reaction reformat from the second tube, and for producing a third reaction reformat.

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Figures

Figure 1: A line graph showing the relationship between the number of hours spent studying and the score on a test. The x-axis represents 'Hours Studied' (0 to 10) and the y-axis represents 'Test Score' (0 to 100). The data points are: (0, 0), (1, 10), (2, 20), (3, 30), (4, 40), (5, 50), (6, 60), (7, 70), (8, 80), (9, 90), (10, 100). The graph shows a linear increase in test score as study hours increase.